

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 16:00:27 ON 04 SEP 2002

L1 3857 S (NUCLEOTIDE OR URIDINE OR CYTIDINE OR OROTIC ACID) AND CREATI  
L2 3 S L1 AND (LEIGHS DISEASE OR KEARNS-SAYRES SYNDROME)  
L3 160 S L1 AND (ALZHEIMER OR PARKINSON OR HUNTINGTON)  
L4 60 S L3 AND (MUSCULAR DYSTROPHY OR MYTONIC DYSTROPHY OR CHRONIC F  
L5 46 S L4 AND (EPILEPSY OR NEUROPATHY OR NEUROGENIC BOWEL DYSFUNCTI  
L6 3 S L5 AND (LEIGHS DISEASE OR KEARNS-SAYRES SYNDROME)

=>

=> d 16 1-3 ibib abs

L6 ANSWER 1 OF 3 USPATFULL

ACCESSION NUMBER: 2002:92658 USPATFULL  
TITLE: Compositions and methods for treatment of mitochondrial diseases  
INVENTOR(S): Von Borstel, Reid W., Potomac, MD, UNITED STATES  
Saydoff, Joel A., Middletown, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002049182	A1	20020425
APPLICATION INFO.:	US 2001-930494	A1	20010816 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-763955, filed on 28 Feb 2001, PENDING A 371 of International Ser. No. WO 1999-US19725, filed on 31 Aug 1999, UNKNOWN Continuation-in-part of Ser. No. US 1998-144096, filed on 31 Aug 1998, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe Road, Arlington, VA, 22201		
NUMBER OF CLAIMS:	50		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Page(s)		
LINE COUNT:	2171		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions, and methods are provided for treatment of disorders related to mitochondrial dysfunction. The methods comprise administering to a mammal a composition containing pyrimidine **nucleotide** precursors in amounts sufficient to treat symptoms resulting from mitochondrial respiratory chain deficiencies.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 3 USPATFULL

ACCESSION NUMBER: 2001:139534 USPATFULL  
TITLE: Compositions and methods for treatment of mitochondrial diseases  
INVENTOR(S): von Borstel, Reid W., Potomac, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001016576	A1	20010823
APPLICATION INFO.:	US 2001-838136	A1	20010420 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-144096, filed on 31 Aug 1998, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C., 8th Floor, 1100 N. Glebe Rd., Arlington, VA, 22201		
NUMBER OF CLAIMS:	46		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1390		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions, and methods are provided for treatment of disorders related to mitochondrial dysfunction. The methods comprise administering to a mammal a composition containing pyrimidine **nucleotide** precursors in amounts sufficient to treat symptoms resulting from mitochondrial respiratory chain deficiencies.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 3 USPATFULL

ACCESSION NUMBER: 2001:100342 USPATFULL

TITLE: COMPOSITIONS AND METHODS FOR TREATMENT OF MITOCHONDRIAL DISEASES

INVENTOR(S): VON BORSTEL, REID W., POTOMAC, MD, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001005719	A1	20010628
APPLICATION INFO.:	US 1998-144096	A1	19980831 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE, 1100 N. GLEBE ROAD, 8TH FLOOR, ARLINGTON, VA, 22201		
NUMBER OF CLAIMS:	46		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1402		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions, and methods are provided for treatment of disorders related to mitochondrial dysfunction. The methods comprise administering to a mammal a composition containing pyrimidine **nucleotide** precursors in amounts sufficient to treat symptoms resulting from mitochondrial respiratory chain deficiencies.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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## Search Results -

Terms	Documents
L7 and (muscular dystrohy or myotonic dystrophy or chronice fatigue syndrome or friedreich\$3 ataxia)	19

Database: US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Search:

L8

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## Search History

DATE: Wednesday, September 04, 2002    [Printable Copy](#)    [Create Case](#)

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

<u>L8</u>	L7 and (muscular dystrohy or myotonic dystrophy or chronice fatigue syndrome or friedreich\$3 ataxia)	19	<u>L8</u>
<u>L7</u>	15 and (alzheimer\$3 or parkinson\$3 or huntington\$3)	180	<u>L7</u>
<u>L6</u>	15 and ( leighs diseas or kearns-sayres syndrom)	0	<u>L6</u>
<u>L5</u>	(nucleotide or uridine or cytidine or orotic acid) and creatine	1089	<u>L5</u>
<u>L4</u>	nucleotide and creatine	1052	<u>L4</u>
<u>L3</u>	pyrimidine same nucleotide same creatine	6	<u>L3</u>
<u>L2</u>	L1 and mitochondrial respiratory chain dysfunction	4	<u>L2</u>
<u>L1</u>	mitochondrial same dysfunction	250	<u>L1</u>

END OF SEARCH HISTORY

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